

Datasheet: AAM19GA

Description:	RABBIT ANTI MOUSE TNF ALPHA
Specificity:	TNF ALPHA
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA	▪			0.5 - 2.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml
Functional Assays	▪			0.01 - 0.015ug/ml

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using the appropriate negative/positive controls.

Target Species Mouse

Product Form Purified IgG - lyophilized

Reconstitution Reconstitute with 0.1 ml distilled water
 Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution. For long term storage the addition of 0.09% sodium azide is recommended.
 N.B. For functional studies do not add sodium azide.

Antiserum Preparation Antisera to mouse TNF α were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.

Buffer Solution Phosphate buffered saline

Preservative Stabilisers	None present
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml after reconstitution.
Immunogen	Recombinant mouse TNFα (PMP24)
External Database Links	<p>UniProt: P06804 Related reagents</p> <p>Entrez Gene: 21926 Tnf Related reagents</p>
Synonyms	Tnfa, Tnfsf2
RRID	AB_609802
Specificity	<p>Rabbit anti Mouse TNF alpha antibody recognizes mouse Tumour Necrosis Factor alpha (TNFα), a 17.3kDa multi-functional pro-inflammatory cytokine primarily secreted by macrophages, but also produced by T and B lymphocytes, activated monocytes and fibroblasts.</p> <p>TNF-alpha exists in both a transmembrane and mature soluble form and has many biological properties, including activation of transcription factor NF-KappaB, the induction of apoptosis in various tumour cell lines and the stimulation of cell differentiation and proliferation under certain conditions. TNF-alpha is involved in inflammation, septic shock, autoimmune disease and rheumatoid arthritis. This Rabbit anti Mouse TNF-alpha antibody can be used to neutralize the effects of mouse TNF-alpha.</p>
ELISA	Rabbit anti Mouse TNF α (purified) may be used in an indirect ELISA with recombinant mouse TNFα (PMP24) as the standard.
References	<ol style="list-style-type: none"> 1. Khaskhely, N.M. <i>et al.</i> (2002) Low-dose UVB contributes to host resistance against <i>Leishmania amazonensis</i> infection in mice through induction of gamma interferon and tumor necrosis factor alpha cytokines. Clin Diagn Lab Immunol. 9: 677-86. 2. Schafers, M. <i>et al.</i> (2002) Anterograde transport of tumor necrosis factor-alpha in the intact and injured rat sciatic nerve. J Neurosci. 22: 536-45. 3. Oakley, F. <i>et al.</i> (2005) Nuclear factor-kappaB1 (p50) limits the inflammatory and fibrogenic responses to chronic injury. Am J Pathol. 166: 695-708. 4. El-Naseery, N.I. <i>et al.</i> (2023) Human umbilical cord blood-derived mesenchymal stem cells restored hematopoiesis by improving radiation induced bone marrow niche remodeling in rats. Ann Anat. 250: 152131. 5. Ferreras-Colino, E. <i>et al.</i> (2023) Oral immunization with heat-inactivated <i>Mycobacterium bovis</i> reduces local parasite dissemination and hepatic granuloma development in mice

infected with *Leishmania amazonensis*. [Res Vet Sci. 162: 104963.](#)

Further Reading 1. Van Horssen, R. *et al.* (2006) TNF-alpha in cancer treatment: molecular insights, antitumor effects, and clinical utility. [The Oncologist. 11: 397-408.](#)

Storage Prior to reconstitution store at -20°C.
After reconstitution store at -20°C.

This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10294 available at: <https://www.bio-rad-antibodies.com/SDS/AAM19GA>
10294

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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